



Environmental Education Field Trip Grant Application

Name of Applicant _____

Home Address _____

City, State, Zip _____

Name of School and District _____

School Address _____

City, State, Zip _____

Home Phone Number _____ School Phone Number _____

Email Address _____ Fax _____

Grade Level of Students Attending _____

Number of Students Attending _____ Number of Buses Needed _____

Please circle your desired field trip site from the list below:

Mojave Desert Air Quality Management District/Clean Power Education Center - Victorville
Tour of the air monitoring station and the Clean Power Education Center.

Victor Valley Waste & Water Reclamation Authority - Victorville
(recommended for 5th grade students - limit of 30-40 students.)
Tour the plant and view the wastewater treatment process.

Barstow Desert Discovery Center
Tour includes topics of wildlife, natural resources, history, and a field adventure trip.

Hesperia Water District – Plant #22
Tour one of the City's water wells and pumping systems to learn how it functions for the City.

Household Hazardous Waste Site in San Bernardino at old Norton AFB (grades 3 and up)
Tour the waste site and learn about household hazardous wastes and the way in which they are disposed.

Mitsubishi Cement Corporation – Lucerne Valley (grades 5 and up)
Tour a cement plant and learn all about cement manufacturing.

High Desert Power Project - Victorville
Tour a power plant and learn how electricity is generated.

AFG Glass Plant – Victorville (grades 4 and up)

Tour a glass plant and learn how glass is made.

Hector Mine – Between Newberry Springs and Ludlow

Tour a working mine that produces Hectorite Clay

Molycorp, Inc.- Mountain Pass (Baker)

This facility is one of the four world-class rare earth mines, and the only one in North America. Rare earths are used in a variety of technical and strategic products including jet aircraft, fiber optics, and missile guidance systems.

Searles Valley Minerals – Trona

Tour a facility that produces soda ash and borax, which are used in a variety of products including glass manufacturing.

Customer Technology Application Center (CTAC) – Irwindale

A Southern California Edison state of the art electric technology with many hands-on activities.

Boeing – Palmdale

Boeing is a leader in the assembly & test inspection of prototype aircraft & weapon systems.

Tours focusing on many of Boeing's environmental programs are available at the Palmdale site to school groups, as are two tours focusing on space shuttle component fabrication.

Lockheed Martin Aeronautics – Palmdale (For High School Only)

"Lockheed Martin's Palmdale facility, where some of the world's finest military aircraft - including the first operational stealth fighter - are designed, manufactured, and modified. The tour will focus on Lockheed Martin's exemplary environmental and pollution prevention programs."

Edwards Air Force Base

The multi-million dollar program at Edwards AFB offers teachers and students an opportunity to see leading-edge technologies and environmental activities at the nation's premier center for flight test activities. You would learn about biology, archaeology, chemistry, environmental engineering, computers, and see actual engineers and scientists at work on state-of-the-art programs. Special tours are also available at Piute Ponds, an enhanced natural marsh in the middle of the Mojave Desert which is a major bird watching spot.

ACE Cogeneration – Trona

The ACE Cogeneration Power Plant was commissioned as the cleanest coal-burning power plant in California using Circulating Fluidized Bed (CFB) technology.

Cemex – Apple Valley or Victorville

Tour the countries largest cement manufacturing facility. Tour our site in Apple Valley to see the pyro processing system using coal to generate temperatures in excess of 2500°F. Tour the site in Victorville to see how clinker is processed into cement using an 8000 hp grinding mill.

California Portland Cement Company - Mojave Plant (Grades 6 and up)

Visit us and see why this high tech cement manufacturer has been honored with the **EPA's Energy Star Partner of the Year** award. Explore lucrative career possibilities while following the life of our limestone. Learn how it was deposited, then see it blasted, crushed, burned, ground, and shipped as the finished product - cement!

Southern California Aviation (SCA), Victorville

The leader in commercial aircraft transitional maintenance and storage. Tour SCA's facility and see over 160 large commercial aircraft in various stages of transitional maintenance and also learn how SCA receives aircraft from various Airlines and Leasing Companies and transitions them to new Airlines and Owners. Get close and tour how our Mechanics and other personnel get the aircraft and engines ready for new flight, or disassemble the aircraft and get them ready for recycling."

Devil's Punchbowl Natural Area – Antelope Valley

Experience spectacular geological processes with synclines, 300-foot high slabs of sandstone and erosion formed canyons adjacent to the Great San Andreas Fault. Study and learn about plants and animals in this transition zone between the Mojave Desert and the San Gabriel Mountains. All age groups welcome. Educational programs specialized to your curricular needs.

www.devils-punchbowl.com

Big Bear Discovery Center – Big Bear - Grades 3-8, limit of 100 students.

The Big Bear Discovery Center is the premier environmental education and recreation center in the San Bernardino Mountains. School tours include a 2.5 – hour lesson in which students are lead by a naturalist on a hiking trail through the mountains. Following State Science Standards, students will learn about the various habitats in the forest, forest ecology, and other ecological principles. This tour allows students to experience nature first-hand!

Short Answer Questions: *Please answer on additional sheet(s) of paper*

- 1) Describe how you would incorporate MEEC's Field Trip Program into your science/environmental education program of study.
- 2) Describe what follow up activities you will implement following the field trip.
- 3) Why do you want your class to participate in an environmental education field trip?

Please send your completed application with short answer sheet(s) attached to:

MEEC –Enviro Bus Buck Program
c/o Mojave Desert AQMD
14306 Park Ave.
Victorville, CA 92392

Deadline to apply is October 15, 2006.

For further information, please call (760) 245-1661 ext. 6101.